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IN THE CLAIMS

1. (Currently Amended) A method of testing a memory device by using a data processing unit having a first memory device mounted thereon, said method comprising:

a step of supplying a memory device to be tested with at least one signal supplied to said first memory device; and

a step of checking a relationship between output signals produced from said first memory device and output signals produced from said memory device to be tested.

2. (Previously Presented) The method of testing a memory device according to claim 1, wherein:

a plurality of said memory devices to be tested are to be tested and said at least one signal is supplied in parallel to said plurality of memory devices to be tested.

3. (Currently Amended) The method of testing a memory device according to claim 1, wherein:

said data processing unit has a control circuit connected to said first memory device, said control circuit controlling an operation of said first memory device.

4. (Previously Presented) The method of testing a memory device according to claim 1, wherein:

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said checking step checks said output signals for agreement/disagreement.

5. (Currently Amended) The method of testing a memory device according to claim 1, wherein:

said at least one signal to be supplied to said first memory device include an address signal, a data signal, a clock signal and a control signal.

6. (Currently Amended) The method of testing a memory device according to claim 1, wherein:

said at least one signal supplied to said first memory device to be tested is transferred by means of a pipeline system.

7. (Currently Amended) The method of testing a memory device according to claim 2, wherein:

said at least one signal supplied in parallel to said plurality of first memory devices to be tested is transferred by means of a pipeline system.

8. (Previously Presented) The method of testing a memory device according to claim 7, wherein:

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said at least one signal supplied by said pipeline system is distributed in a plurality of stages and supplied in parallel to said plurality of memory devices to be tested.

9. (Previously Presented) A method of manufacturing a memory device comprising:

a step of forming a semiconductor device having a memory; and

a step of supplying said memory of said semiconductor device with signals to be supplied to a first memory mounted on a data processing unit and checking a relationship between signals output from said first memory and signals output from said memory of said semiconductor device.

10. (Previously Presented) The method of manufacturing a memory device according to claim 9, wherein:

a plurality of said memories used in said step of forming said semiconductor device are supplied in parallel with said signals.

11. (Original) The method of manufactuxing a memory device according to claim 9, wherein:

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said data processing unit is coupled to said first memory and has a control circuit for controlling an operation of said first memory.

12. (Previously Presented) The method of manufacturing a memory device according to claim 9, wherein:

said checking step checks said output signals for agreement/disagreement.

13. (Original) The method of manufacturing a memory device according to claim 9, wherein:

said signals to be supplied to said first memory include an address signal, a data signal, a clock signal and a control signal.

14. (Previously Presented) An apparatus for testing a memory device, said apparatus comprising:

a socket to be mounted with a memory device to be tested;

a terminal supplied with a data processing unit having a memory mounted separately from said socket that supplies signals to said memory and that outputs signals of said memory; and

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a control section for determining a relationship between the output signals from said socket and the output signals from said memory.

15. (Original) The apparatus for testing a memory device according to claim 14, further comprising:

a first board for carrying said socket to be mounted with said memory device to be tested; and

a second board adapted to carrying a plurality of said first boards, distribute the signals to be supplied to said memory and supply the signals to said memory device to be tested.

16. (Original) The apparatus for testing a memory device according to claim 15, wherein:

the apparatus comprises a plurality of types of said first boards to accommodate said memory device to be tested.

17. (Original) The apparatus for testing a memory device according to claim 16, wherein:

said memory device to be tested is a TSOP or a TCP.

18. (Previously Presented) The apparatus for testing a memory device according to claim 14, wherein:

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a plurality of said memory devices to be tested are supplied in parallel with said signals.

19. (Previously Presented) The apparatus for testing a memory device according to claim 14, wherein:

said data processing unit is coupled to said memory and has a control connector for controlling an operation of said memory.

20. (Previously Presented) The apparatus for testing a memory device according to claim 14, wherein:

said control circuit checks said signals for agreement/disagreement.

21. (Original) The apparatus for testing a memory device according to claim 14, wherein:

said signals to be supplied to said memory include an address signal, a data signal, a clock signal and a control signal.

22. (Previously Presented) The apparatus for testing a memory device according to claim 14, further comprising:

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a substrate for taking out signals from said memory mounted on said data processing unit and supplying them to said terminal.

23. (Currently Amended) A method of testing a memory module by using a data processing unit mounted with a first memory module having a plurality of memory devices, said method comprising:

a step of supplying a memory device to be tested with signals that are to be supplied to said first memory module; and

a step of checking the relationship between output signals from said first memory module and output signals from said memory device to be tested.

24. (Currently Amended) The method of testing a memory module according to claim 23, wherein:

said signals to be supplied to said first memory module are signals that are to be supplied to a first memory device of said plurality of memory devices of said first memory module and said output signals from said first memory module are output signals from a second memory device of said plurality of memory devices of said first memory module.

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25. (Currently Amended) The method of testing a memory module according to claim 24, wherein:

said first memory device and said second memory device ~~may be a~~ are the same memory device.

26. (Currently Amended) The method of testing a memory module according to claim 23, wherein:

a plurality of said memory devices to be tested that are to be tested and said signals to be supplied to said first memory module are supplied in parallel to said plurality of memory devices to be tested.

27. (Currently Amended) The method of testing a memory module according to claim 23, wherein:

said data processing unit is coupled to said first memory module and has a control circuit for controlling an operation of said first memory module.

28. (Previously Presented) The method of testing a memory module according to claim 23, wherein:

said checking step checks said output signals for agreement/disagreement.



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29. (Currently Amended) The method of testing a memory module according to claim 23, wherein:

said signals to be supplied to said first memory module include an address signal, a data signal, a clock signal and a control signal.

30. (Currently Amended) The method of testing a memory module according to claim 23, wherein:

said memory device to be tested is one of a plurality of memory devices mounted on a second memory module.

31. (Original) A method of manufacturing a memory module comprising:

a step of preparing a memory device;

a step of supplying said memory device, from a data processing unit mounted with a first memory, with signals to be supplied to the first memory and checking relationship between output signals from said first memory and output signals from said memory device; and

a step of forming the memory module by mounting on a substrate said memory device checked for the relationship in the preceding step.

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32. (Original) The method of manufacturing a memory module according to claim 31, wherein:

a plurality of said memory devices are prepared and said signals to be supplied to said first memory are supplied in parallel to said plurality of memory devices.

33. (Original) The method of manufacturing a memory module according to claim 31, wherein:

said data processing unit is coupled to said first memory and has a control circuit for controlling an operation of said memory module.

34. (Previously Presented) The method of manufacturing a memory module according to claim 31, wherein:

said checking step checks said output signals for agreement/disagreement.

35. (Original) The method of manufacturing a memory module according to claim 31, wherein:

said signals to be supplied to said first memory include an address signal, a data signal, a clock signal and a control signal.

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36. (Previously Presented) An apparatus for testing a memory module, said apparatus comprising:

a board to be provided with a memory module having a plurality of memory devices;

a terminal supplied with a data processing unit having a memory mounted separately from said board with signals that are to be supplied to the memory module and with output signals of said memory; and

a control section for supplying said board with signals to be supplied to said memory module, and for determining the relationship between output signals from said board and output signals from said memory module.

37. (Original) The apparatus for testing a memory module according to claim 36, wherein:

said signals to be supplied to said memory module are signals to be supplied to a first memory device of said plurality of memory devices and said output signals from said memory module are output signals from a second memory device of said plurality of memory devices.

38. (Original) The apparatus for testing a memory module according to claim 37, wherein:

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said first memory device and said second memory device may be a same memory device.

39. (Original) The apparatus for testing a memory module according to claim 36, wherein:

said signals to be supplied to said memory module are supplied in parallel to said plurality of memory devices.

40. (Original) The apparatus for testing a memory module according to claim 36, wherein:

said data processing unit is coupled to said memory module and has a control circuit for controlling the operation of said memory module.

41. (Previously Presented) The apparatus for testing a memory module according to claim 36, wherein:

said control section checks said output signals for agreement/disagreement.

42. (Previously Presented) The apparatus for testing a memory module according to claim 36, wherein:

said signals to be supplied to said first memory include an address signal, a data signal, a clock signal and a control signal.

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43. (Original) The apparatus for testing a memory module according to claim 36, wherein:

said apparatus for testing a memory module is adapted to define a test unit on said board.

44. (Original) The apparatus for testing a memory module according to claim 43, wherein:

one of said plurality of memory devices mounted on said memory module to be provided on said board is tested.

45-49. (Canceled).

50. (Previously Presented) A method of testing a memory module having a data processing unit provided with a DIMM carrying a plurality of memory devices, said method comprising;

a step of supplying said memory devices to be tested with signals to be supplied to said DIMM; and

a step of checking a relationship between output signals produced from said DIMM and output signals produced from said memory devices to be tested.

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51. (Previously Presented) A method of manufacturing a memory device comprising:

a step of preparing a memory device;

a step of supplying said memory device from a data processing unit carrying a first memory with signals to be supplied to said first memory and checking a relationship between signals output from said first memory and the signal output from said memory device; and

a step of forming a DIMM by mounting on a substrate the memory device checked in the above step for a predetermined relationship.

52. (Previously Presented) An apparatus for testing a memory module, said apparatus comprising:

a board to be provided with a first DIMM carrying a plurality of memory devices;

a terminal supplied with a data processing unit having a second DIMM mounted separately from said board that supplies signals to said second DIMM and that outputs signals from said second DIMM; and

a control section supplying said board with said signals to be supplied to said first DIMM for determining a relationship between output signals from said board and output signals from said second DIMM.

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53. (Canceled).